Wireless

SMCWBR14-N
Barricade™N Draft 11n Wireless 4-port Broadband Router

OVERVIEW

The SMC Barricade™ N Draft 11n Broadband Router (SMCWBR14-N) is the perfect all-in-one networking solution for connecting and sharing your high speed cable/xDSL internet connection. This platform independent multi-functional router combines a 4-port 10/100Mbps LAN switch with Automatic MDI-MDIX, a high speed wireless access point (AP) with speeds up to 300Mbps, NAT firewall with Stateful Packet Inspection (SPI), Intelligent stream handling technology and User friendly Web-based management interface in one convenient device.

The built-in wireless AP is compliant with the next generation IEEE802.11n draft v1.0 specification while maintaining full backwards compatibility with the IEEE802.11b/g standards. This next generation wireless networking standard utilizes advanced MIMO (Multiple-In, Multiple-Out) technology to deliver incredible speed & range. With wireless speeds up to 300Mbps - 5x the speed of 802.11g, the SMCWBR14-N provides enough bandwidth to stream HD video, listen to digital music, play online games, transfer large files, make VoIP calls and surf the Internet simultaneously. To further enhance your wireless experience Wi-Fi Multimedia (WMM) technology is included to provide quality-of-service (QoS) by prioritizing and optimizing the handling of different applications. To secure your wireless connection and prevent unauthorized access the SMCWBR14-N supports the latest WPA/WPA2 wireless security standards. WEP 64-Bit and 128-Bit wireless encryption is also provided for securely connecting legacy devices which do not support the latest WPA/WPA2 standards.

The integrated NAT firewall with SPI provides protection from hackers and Denial of Service (DoS) attacks by analyzing individual data packets, to ensure that only authorized packets are allowed access to the network. To control network access, parents, or network administrators can block certain websites, limit web access based on time or dates, and/or block internet access for applications like P2P utilities or games. StreamEngine® technology provides intelligent stream handling by automatically managing the flow of traffic going to the Internet, without the need for user configuration. As a result, real-time interactive traffic, such as gaming, VoIP, instant messaging and video conferencing, are automatically given the appropriate priority when other users and applications use the network. In addition, Intelligent Stream Handling minimizes the impact of large-packet, lower-priority traffic on latency-sensitive traffic and eliminates delays caused by DSL or cable modem connections. StreamEngine® technology effectively eliminates the lag and breakup problem in online gaming and other voice/video applications. Finally, installation is made simple and straightforward with the intuitive web-based management interface and EZ™ Installation Wizard.

FEATURES	BENEFITS
Share your high speed cable/xDSL internet connection	Simply connect your cable or xDSL modem with Ethernet connection to the 10/100Mbps WAN port for instant always on internet.
4-port 10/100Mbps LAN switch with auto MDI-MDIX	Directly connect four computers or expand your network by connecting additional switches. Auto MDI-MDIX means you do not need to worry about cross-over cables.
Built-in IEEE802.11n draft v1.0 compliant wireless AP	Utilizes advanced MIMO (Multiple-In, Multiple-Out) technology to deliver incredible speed & range. With wireless speeds up to 300Mbps - 5x the speed of 802.11g, you can stream HD video, listen to digital music, play online games, transfer large files, make VoIP calls and surf the Internet simultaneously.
Wi-Fi Multimedia (WMM)	Provide quality-of-service (QoS) to the wireless traffic by automatically prioritizing and optimizing the handling of different applications.
WPA/WPA2 Encryption	Enterprise class WPA/WPA2 encryption secures your wireless network from unwanted intruders.
NAT firewall with Stateful Packet Inspection (SPI)	Provides protection from hackers and Denial of Service (DoS) attacks by analyzing individual data packets, to ensure that only authorized packets are allowed access to your network.
Intelligent stream handling technology	Automatically manages the flow of traffic going to the Internet, without the need for user configuration. As a result, real-time interactive traffic, such as gaming, VoIP, instant messaging and video conferencing, are automatically given the appropriate priority when other users and applications use the network.
Web-Based management interface	Simple and straightforward set-up with the intuitive web-based management interface and EZ™ Installation Wizard.

SMC Networks

TECHNICAL SPECIFICATIONS SMCWBR14-N

PHYSICAL INTERFACES / PORTS
- 10/100Mbps WAN port with auto MDI-MDIX
- 4-port 10/100Mbps LAN switch with auto MDI-MDIX
- WLAN ON/OFF switch
- Antennas: 2x 4dBi fixed + 1x 4dBi detachable
- Reset button

MANAGEMENT FEATURES
- EZ Installation Wizard
- Web based management interface (HTTP)
- Remote management

SECURITY FEATURES
- NAT Firewall
- SPI (Stateful Packet Inspection)
- DoS (Denial-of-Service) protection
- IDS (Intrusion Detection System)
- Access Control
- Web Filter
- DMZ Host
- IPSec, PPTP, L2TP VPN pass-through
- SSID Broadcast disable
- MAC address Filtering
- WEP 64-/128-Bit Encryption
- WPA-/WPA2-PSK (Pre Shared Key)
- WPA/WPA2 Enterprise mode (802.1x)

QUALITY-OF-SERVICE (QOS)
- Intelligent Stream Handling with StreamEngine® technology
- WMM (Wi-Fi Multimedia)

MISCELLANEOUS
- UPnP IGD compliant
- WDS (Wireless Distribution System)
- Virtual Server, Special Application rules, Gaming Rules
- System logging with selectable event levels and types
- Syslog server support

STANDARDS
- IEEE802.3 (10Base-T), IEEE802.3u (100Base-TX)
- IEEE802.11b, IEEE802.11g, IEEE802.11n draft v1.0

OPERATING FREQUENCY
- FCC: 2412~2462MHz (Ch1~Ch11)
- ETSI: 2412~2472MHz (Ch1~Ch13)

TYPICAL RF OUTPUT POWER
- 11n Mode: 14dBm
- 11g Mode: 15dBm
- 11b Mode : 18dBm

TEMPERATURE
- Operating: 0° degrees C to 40° degrees C
- Storage: -20° degrees C to 60° degrees C

HUMIDITY
- Operating: 10% to 85% Non-condensing
- Storage: 5% to 90% Non-condensing

DIMENSIONS
- 180 x 122 x 30 mm
- 7.1 x 4.8 x 1.2 in

WEIGHT
- 0.32Kg
- 0.71lbs

POWER INPUT
- 5V/2.5A

CERTIFICATIONS
- FCC
- CE

SYSTEM REQUIREMENTS
- Broadband (Cable/xDSL) Internet service and Modem with Ethernet connection.
- 2.4GHz 802.11n draft wireless adapter or 2.4GHz 802.11b/g wireless adapter installed on each PC. Alternatively an Ethernet adapter can be used.
- Internet Explorer 5.5 or above, Netscape 4.7 or above, Mozilla Firefox 1.0 or above
- We recommend using this product with the SMCWCB-N and SMCWPCI-N EZ Connect™ N wireless adapters

PACKAGE CONTENTS
- Barricade™ N Broadband Router
- Power Supply
- RJ-45 Ethernet cable
- Documentation CD
- Quick Installation Guide
- Warranty registration card

WARRANTY
- SMC Limited Lifetime

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